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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Examiner:

Not yet assigned

Youngyul KIM

Serial No.:

10/506,558

Art Unit:

Not yet assigned

Filed:

September 1, 2004

Title:

ELECTRODE FOR DRY ETCHING A WAFER

Mail Stop AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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Sir:

In accordance with the duty of disclosure under 37 CFR §1.56 and pursuant to 37 CFR §§1.97-1.98, Applicant hereby notifies the U.S. Patent and Trademark Office of the references listed on the enclosed Form PTO-1449. One copy of each non-patent literature document cited is submitted herewith.

The present Information Disclosure Statement is being filed more than three months after the filing date but before receiving the first Office Action. Accordingly, no fee or certification is needed.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant reserves the right to dispute any of the listed documents as prior art during examination. Furthermore, Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

Attorne cket No.: 61282.00015

The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

If for any reason an insufficient fee has been paid, please charge the insufficiency to Deposit Account No. <u>05-0150</u>.

Date: 1/7/05

Respectfully submitted,

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CERTIFICATE OF MAILING

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet of 1

	ng Date September 1, 2004			
Application Number	10/506,558			
Filing Date	September 1, 2004			
First Named Inventor	Youngyul KIM			
Art Unit	Not yet assigned.			
Examiner Name	Not yet assigned.			
Attorney Docket Number	61282.00015			

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2		
	1.	CHO, Byeong-Ok. et al., "Angular dependence of the redeposition rates during Sio ₂ etching in a CF ₄ plasma" J. Vac. Sci. Technol. A 19(3) May/Jun 2001, pp. 730-735.			
	2.	LEE, Gyeo-Re et al. "Sidewall-angle effect on the bottom etch profile in SiO ₂ etching using a CF ₄ Plasma" J.Vac. Sci. Technol. B 19(1), Jan/Feb 2001, pp. 172-178.			
	3.	MIN, Jae-Ho, et al. "Reseposition of Etch Products on Sidewalls During Sio ₂ Etching in a Fluorocarbon Plasma. III. Effects of O ₂ Addition to CF ₄ Plasma" J. Vac. Sci. Technol. B21(4) Jul/Aug 2003 American Vacuum Society, pp. 1210-1215.			
•	4.	PINTA, R. et al. "Reactive Etching in SF ₆ Gs Mixtures" InP Misfet Technology Vol. 134, No. 1 January 1987, pp. 165-175.			
	5.	ZAROWIN, C.B. "Plasma Etch Anisotropy – Theory and Some Verifying Experiments Relating Ion Transport, Ion Energy, and Etch Profiles" J. Electrochem. Soc.: Solid state Science and Technology, May, 1983, pp. 1144-1152.			

Examiner	Date	
Signature	Considered	

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